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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference						
F2939WO	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2003/012611	International filing date (day/mo 01 October 2003 (01.10					
International Patent Classification (IPC) or n B29D 30/38		01 000001 2002 (01.10.2002)				
Applicant	BRIDGESTONE CORPOR	RATION				
This report is the international prelin Authority under Article 35 and trans	ninary examination report, establis mitted to the applicant according t	hed by this International Preliminary Examining o Article 36.				
 This REPORT consists of a total of This report is also accompanied by A 	4 sheets, including	this cover sheet.				
_		l of sheets, as follows:				
and of sheets cont	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relati	ng to the following items:					
Box No. I Basis of the rep	ort					
Box No. II Priority Box No. III Non-establishm						
		elty, inventive step and industrial applicability				
Box No. V Reasoned statement under Article 35(2) with regard to novelty inventive step or industrial applicability.						
	citations and explanations supporting such statement Box No. VI Certain documents cited					
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of co	Date of completion of this report				
25 February 2004 (25.02.2004)		22 October 2004 (22.10.2004)				
Name and mailing address of the IPEA/JP	Authorized	Authorized officer				
Facsimile No.	Telephone	Telephone No.				

Translation



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/012611

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language which is language of a translation farmished for the purpose of: International service (under Rules 12.3 and 23.1(b)) publication of the international application (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" the description: The international application as originally filed/furnished the description are considered by this Authority on pages pages* pages* received by this Authority on received by this Authority on the claims: pages pages* received by this Authority on pages* received by this Authority on pages* received by this Authority on received by this Authority on pages* received by this Authority on received by this Authority on pages* received by this Authority on received by this Authority on pages* received by this Authority on	Box No	o. I	Basis of the report
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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

tatement			
Novelty (N)	Claims	2, 3	YES
	Claim	1	мо
Inventive step (IS)	Claim	2	YES
ı	Claims	1,3	NO
Industrial applicability (IA)	Claims	1-3	YE
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP, 6-106652, A (Sedepro), April 19, 1994 (04.19.94)

& EP, 582215, A1 & US, 5395476, A

& CN, 1082985, A

Document 2: JP, 62-292423, A

(Compagne Generale Des Etablissments Michelin), December 19, 1987 (12.19.87)

& EP, 248301, A1 & US, 4804436, A

& CN, 1008801, B

Document 3: WO, 88/10199, A1 (Sumitomo Rubber Industries, Ltd.), December 29, 1988 (12.29.88)

& US, 5032198, A & EP, 319588, A1

Claim 1

Document 1 describes a method for manufacturing a tire wherein, on a base rotatably fitted around an axis line, the various tire components are layered in the position and order required by a tire structure so to produce a tire little by little, and wherein at least one top reinforcing material is created by supplying a cord to at least one attachment tube, cutting the cord on the upstream side of the attachment tube, cutting out a cord segment, sending the cord segment to an attachment head that laterally moves through the attachment tube over the base, and automatically bonding the cord segment bonded to the base.

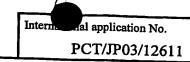
Document 2 describes a method for manufacturing a tire reinforcing material, wherein each reinforcing cord is individually injected on a prescribed position in the reinforcing material, the reinforcing material is manufactured on one element that determines the geometric shape thereof, the element and cord comprise a cord having its own adhesiveness and provided adjacent to each other roughly in parallel, and also describes that a cord to be cut into a desired length is to be extruded.

Therefore, the invention relating to claim 1 does not appear to be novel or involve an inventive step.

Claim 2

None of the documents cited in the ISR describes that cords with rubber are layered in two layers including a radially inward layer and radially outward layer, thereafter a cord with rubber in the outer layer is press fitted in between the cords with rubber in the inner layer; nor is it obvious to a party skilled in the art. Therefore, the invention relating to claim 2 appears to be novel and involve an inventive step.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Sup	plem	ental	Box
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In case the space in any of the preceding boxes is not sufficient. Continuation of Box V:

Claim 3

Document 3 describes a band molding device, wherein a cord winding device is directly linked with a rubber coating device, and the rubber-coated cords are guided to the winding device.

A configuration such that a rubber coating device and attaching device as described in document 3 are directly linked in the inventions described in documents 1 and 2 could be easily conceived of by a party skilled in the art. At such time, providing a mechanism such as a festoon, drum or the like between the coating device and the attaching device to adjust cord supply to the attaching device and tension on the cords could be conceived of as appropriate.

Therefore, the invention relating to claim 3 does not appear to involve an inventive step.